

## Product datasheet for **AM50186PU-S**

### Vimentin (VIM) Mouse Monoclonal Antibody [Clone ID: SPM576]

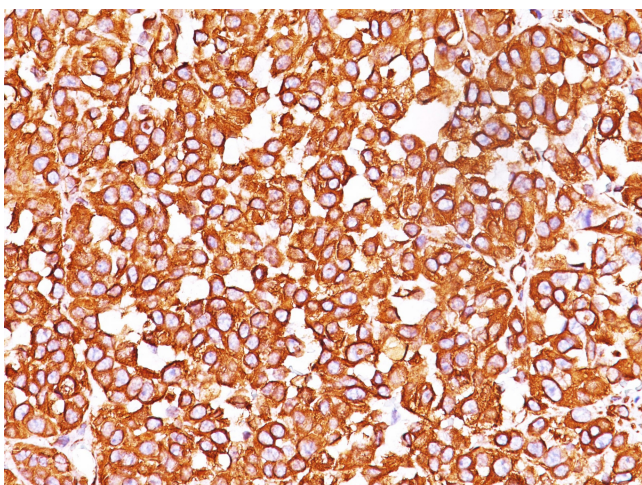
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM576
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/million cells <b>Immunofluorescence:</b> 1-2 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 1-2 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. <b>Positive Control:</b> Jurkat cells, Sarcomas, Melanomas.
Reactivity:	Bovine, Canine, Chicken, Feline, Goat, Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human vimentin recombinant protein.
Specificity:	This MAb reacts with a 58kDa protein identified as vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP's) such as Desmin, Keratin, neurofilament, and glial fibrillary acid protein. Anti-Vimentin alone is of limited value as a diagnostic tool; however, when used in panels with other antibodies, it is useful for the sub-classification of a given tumor. Expression of vimentin, when used in conjunction with anti-keratin, is helpful when distinguishing melanomas from undifferentiated carcinomas and large cell lymphomas. All melanomas and Schwannomas react strongly with anti-vimentin. It labels a variety of mesenchymal cells, including melanocytes, lymphocytes, endothelial cells, and fibroblasts. Non-reactivity of anti-vimentin is often considered more useful than its positive reactivity, since there are a few tumors that do not contain vimentin, e.g. hepatoma and seminoma. Anti-vimentin is also useful as a tissue process control reagent. <b>Cellular Localization:</b> Cytoplasmic. <b>Negative Species:</b> Mouse and Rat.



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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	57-60 kDa
Database Link:	<a href="#">Entrez Gene 7431 Human P08670</a>
Synonyms:	VIM

**Product images:**

Formalin-paraffin human melanoma stained with Vimentin Antibody (Clone SPM576).